

| <b>CERTIFICATE OF MAILING OR TRANSMISSION</b>   |               |                                |                    |
|---|---------------|--------------------------------|--------------------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail (label number EV 235988130 US) in an envelope addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 under the provisions of 37 CFR §1.10. |               |                                |                    |
| Mailer's Name (Print/Type)  | Candace White | Signature <i>Candace White</i> | Date July 11, 2003 |

|  |  |                     |                 |                |                          |       |   |
|--|--|---------------------|-----------------|----------------|--------------------------|-------|---|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b>            | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Attorney Docket No.</td> <td style="width: 50%; padding: 5px;">2771-661 (7483)</td> </tr> <tr> <td style="padding: 5px;">First Inventor</td> <td style="padding: 5px;">VAUDO, Robert P., et al.</td> </tr> <tr> <td style="padding: 5px;">Title</td> <td style="padding: 5px;">SEMI-INSULATING GaN AND METHOD OF MAKING THE SAME</td> </tr> </table> | Attorney Docket No. | 2771-661 (7483) | First Inventor | VAUDO, Robert P., et al. | Title | SEMI-INSULATING GaN AND METHOD OF MAKING THE SAME |
| Attorney Docket No.  | 2771-661 (7483)  |                     |                 |                |                          |       |   |
| First Inventor   | VAUDO, Robert P., et al.   |                     |                 |                |                          |       |   |
| Title  | SEMI-INSULATING GaN AND METHOD OF MAKING THE SAME  |                     |                 |                |                          |       |   |
| (Only for new non-provisional applications under 37 CFR 1.53(b)) |  |                     |                 |                |                          |       |   |

|   |   |
|---|---|
| <b>APPLICATION ELEMENTS</b><br>See MPEP chapter 600 concerning utility patent application contents. | <b>ADDRESS TO:</b> Mail Stop PATENT APPLICATION<br>Commissioner for Patents<br>PO Box 1450 Alexandria VA 22313-1450 |
|---|---|

|   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br>(Submit an original and a duplicate for fee processing)<br>2. <input type="checkbox"/> Applicant claims small entity status.<br>See 37 CFR 1.27.<br>3. <input checked="" type="checkbox"/> Specification [Total Pages <span style="border: 1px solid black; padding: 0 5px;">41</span> ]<br>(preferred arrangement set forth below)<br>- Descriptive Title of the Invention<br>- Cross Reference to Related Applications<br>- Statement Regarding Fed sponsored R & D<br>- Reference to sequence listing, a table,<br>or a computer program listing appendix<br>- Background of the Invention<br>- Brief Summary of the Invention<br>- Brief Description of the Drawings (if filed)<br>- Detailed Description<br>- Claim(s)<br>- Abstract of the Disclosure<br>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <span style="border: 1px solid black; padding: 0 5px;">3</span> ]<br>5. Oath or Declaration [Total Sheets <span style="border: 1px solid black; padding: 0 5px;">2</span> ]<br>a. <input checked="" type="checkbox"/> Unsigned (original or copy)<br>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d))<br>(for continuation/divisional with Box 18 completed)<br>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br>Signed statement attached deleting inventor(s)<br>named in the prior application, see 37 CFR<br>1.63(d)(2) and 1.33(b).<br>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or<br>Computer Program (Appendix)<br>8. Nucleotide and/or Amino Acid Sequence Submission<br>(if applicable, all necessary)<br>a. <input type="checkbox"/> Computer Readable Form (CRF)<br>b. Specification Sequence Listing on:<br>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or<br>ii. <input type="checkbox"/> paper<br>c. <input type="checkbox"/> Statements verifying identity of above copies |
|---|--|

**ACCOMPANYING APPLICATION PARTS**

- |     |   |   |  |
|-----|---|---|--|
| 9.  | <input type="checkbox"/> Assignment Papers (cover sheet & document(s))  |   |  |
| 10. | <input type="checkbox"/> 37 CFR 3.73(b) Statement<br>(when there is an assignee)  | <input type="checkbox"/> Power of<br>Attorney       |  |
| 11. | <input type="checkbox"/> English Translation Document (if applicable)   |   |  |
| 12. | <input type="checkbox"/> Information Disclosure<br>Statement (IDS)/PTO-1449   | <input type="checkbox"/> Copies of IDS<br>Citations |  |
| 13. | <input type="checkbox"/> Preliminary Amendment  |   |  |
| 14. | <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br>(Should be specifically itemized)                                     |   |  |
| 15. | <input type="checkbox"/> Certified Copy of Priority Document(s)<br>(if foreign priority is claimed)   |   |  |
| 16. | <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122<br>(b)(2)(B)(i). Applicant must attach form PTO/SB/35<br>or its equivalent. |   |  |
| 17. | <input type="checkbox"/> Other: .....   |   |  |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

☒ Customer Number or Bar Code Label (Insert Customer Number or Bar Code Label here) or ☐ Correspondence address below

|         |                         |                |  |
|---------|-------------------------|----------------|--|
| Name    | 25559                   |                |  |
| Address | PATENT TRADEMARK OFFICE |                |  |
| City    | State                   | Zip Code       |  |
| Country | Telephone               | Fax            |  |
|         | (919) 419-9350          | (919) 419-9354 |  |

|                   |                     |                                   |               |
|-------------------|---------------------|-----------------------------------|---------------|
| Name (Print/type) | Steven J. Hultquist | Registration No. (Attorney/Agent) | 28,021        |
| Signature         |                     | Date                              | July 11, 2003 |

 03506 U.S. PRO  
 10/616024  
 07/11/03



25559

PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project 1000-0001, persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

\$2,103.00

**Complete if Known**

Application Number

Filing Date

July 11, 2003

First Named Inventor

VAUDO, Robert P., et al.

Examiner Name

Group Art Unit

Attorney Docket No.

2771-661 (7483)

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge deficiencies in filing fees or credit any overpayments to:

Deposit Account Number

083284

Deposit Account Name

Intellectual Property/Technology Law

- ☒
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- 
- ☐
- Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description        | Fee Paid |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|----------|
| 1001                  | 750                   | 2001                  | 375                   | Utility filing fee     | 375.00   |
| 1002                  | 330                   | 2002                  | 165                   | Design filing fee      |          |
| 1003                  | 510                   | 2003                  | 255                   | Plant filing fee       |          |
| 1004                  | 740                   | 2004                  | 370                   | Reissue filing fee     |          |
| 1205                  | 160                   | 2005                  | 80                    | Provisional filing fee |          |

SUBTOTAL (1) (\$) 375.00

**2. EXTRA CLAIM FEES**

| Total Claims       | Extra Claims | Fee from Below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 116                | -20 = 96     | 18.00          | 1728.00  |
| Independent Claims | 3 - 3 = 0    | 84.00          | 0.00     |
| Multiple Dependent |              |                |          |

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description   |
|-----------------------|-----------------------|-----------------------|-----------------------|---|
| 1202                  | 18                    | 2202                  | 9                     | Claims in excess of 20                                    |
| 1201                  | 84                    | 2201                  | 42                    | Independent claims in excess of 3                         |
| 1203                  | 280                   | 2203                  | 140                   | Multiple dependent claim, if not paid                     |
| 1204                  | 84                    | 2204                  | 42                    | **Reissue independent claims over original patent         |
| 1205                  | 18                    | 2205                  | 9                     | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) 1,728.00

\*\* or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Fee Code                          | Large Entity Fee (\$) | Fee Code | Small Entity Fee (\$) | Fee Description  | Fee Paid  |
|-----------------------------------|-----------------------|----------|-----------------------|--|-----------|
| 1051                              | 130                   | 2051     | 65                    | Surcharge - late filing fee or oath  |           |
| 1052                              | 50                    | 2052     | 25                    | Surcharge - late provisional filing fee or cover sheet                     |           |
| 1053                              | 130                   | 1053     | 130                   | Non-English specification  |           |
| 1812                              | 2,520                 | 1812     | 2,520                 | For filing a request for ex parte reexamination                            |           |
| 1804                              | 920*                  | 1804     | 920*                  | Requesting publication of SIR prior to Examiner action                     |           |
| 1805                              | 1,840*                | 1805     | 1,840*                | Requesting publication of SIR after Examiner action                        |           |
| 1251                              | 110                   | 2251     | 55                    | Extension for reply within first month                                     |           |
| 1252                              | 400                   | 2252     | 200                   | Extension for reply within second month                                    |           |
| 1253                              | 920                   | 2253     | 460                   | Extension for reply within third month                                     |           |
| 1254                              | 1,440                 | 2254     | 720                   | Extension for reply within fourth month                                    |           |
| 1255                              | 1,960                 | 2255     | 980                   | Extension for reply within fifth month                                     |           |
| 1401                              | 320                   | 2401     | 160                   | Notice of Appeal   |           |
| 1402                              | 320                   | 2402     | 160                   | Filing a brief in support of an appeal                                     |           |
| 1403                              | 280                   | 2403     | 140                   | Request for oral hearing   |           |
| 1451                              | 1,510                 | 1451     | 1,510                 | Petition to institute a public use proceeding                              |           |
| 1452                              | 110                   | 1452     | 55                    | Petition to revive - unavoidable   |           |
| 1453                              | 1,280                 | 2453     | 640                   | Petition to revive - unintentional   |           |
| 1501                              | 1,280                 | 2501     | 640                   | Utility issue fee (or reissue)   |           |
| 1502                              | 460                   | 2502     | 230                   | Design issue fee   |           |
| 1503                              | 620                   | 2503     | 310                   | Plant issue fee  |           |
| 1460                              | 130                   | 1460     | 130                   | Petitions to the Commissioner  |           |
| 1807                              | 50                    | 1807     | 50                    | Processing fee under 37 CFR 1.17(q)  |           |
| 1806                              | 180                   | 1806     | 180                   | Submission of Information Disclosure Stmt                                  |           |
| 8021                              | 40                    | 8021     | 40                    | Recording each patent assignment per property (times number of properties) |           |
| 1809                              | 740                   | 2809     | 370                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |           |
| 1810                              | 740                   | 2810     | 370                   | For each additional invention to be examined (37 CFR § 1.129(b))           |           |
| 1801                              | 740                   | 2801     | 370                   | Request for Continued Examination (RCE)                                    |           |
| 1802                              | 900                   | 1802     | 900                   | Request for expedited examination of a design application                  |           |
| Other fee (specify)               |                       |          |                       |  |           |
| *Reduced by Basic Filing Fee Paid |                       |          |                       |  |           |
| SUBTOTAL (3)                      |                       |          |                       |  | (\$) 0.00 |

**SUBMITTED BY**

Complete (if applicable)

Name (Print/Type)

Steven J. Hultquist

Registration No. (Attorney/Agent)

28,021

Telephone

(919) 419-9350

Signature

Date

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.  
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231